

## II. Amendments to the Claims

Please amended the claims as follows with the following clean versions of the claims in accordance with 37 CFR § 1.121; marked-up versions of the claims are presented in the following section.

### Clean version of amended claims:

1. (Amended) An horological device comprising:

discharging means for discharging a stored electrostatic charge in a charge storage element in a time cell in the horological device using a discharge process with a predetermined discharge rate, wherein the charge storage element comprises an internal medium for storing an electrostatic charge and an insulating medium for insulating the internal medium that substantially surrounds the internal medium, and wherein the time cell transitions from a non-time-measuring state to a time-measuring state in the horological device upon receiving the electrostatic charge; and

detection means for detecting a current level of electrical potential at the charge storage element using conductive leads connected to the time cell within an elapsed time period after storing the electrostatic charge.

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6. (Amended) A method for measuring time with an horological device, the method comprising:

discharging a stored electrostatic charge in a charge storage element in a time cell in the horological device using  
5 a discharge process with a predetermined discharge rate, wherein the charge storage element comprises an internal medium for storing an electrostatic charge and an insulating medium for insulating the internal medium that substantially surrounds the internal medium, and wherein the time cell  
10 transitions from a non-time-measuring state to a time-measuring state in the horological device upon receiving the electrostatic charge; and

detecting a current level of electrical potential at the charge storage element using conductive leads connected to the  
15 time cell within an elapsed time period after storing the electrostatic charge.

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15. (Amended) A computer program product on a computer readable medium for use in a data processing system for measuring time with an horological device, the computer program product comprising:

5 instructions for receiving a time measurement request for the horological device; and

Ab 10 instructions for detecting a current level of electrical potential at a charge storage element in a time cell in the horological device using conductive leads connected to the time cell within an elapsed time period after storing an electrostatic charge in the charge storage element, wherein the charge storage element comprises an internal medium for storing an electrostatic charge and an insulating medium for insulating the internal medium that substantially surrounds 15 the internal medium, and wherein the time cell transitions from a non-time-measuring state to a time-measuring state in the horological device upon receiving the electrostatic charge, and wherein the stored electrostatic charge discharges from the charge storage element using a discharge process with 20 a predetermined discharge rate.

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37. (Amended) A reading device comprising:

a7 25 coupling means for coupling, to the reading device, an article of manufacture, wherein the article of manufacture comprises an analog time cell and conductive leads connected to the analog time cell; and

reading means for reading the article of manufacture.

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Marked-up version of the amended claims--additions are shown with double-underlines and deletions are shown with strike-throughs.

5        1.        (Amended)        An horological device comprising:

          discharging means for discharging a stored electrostatic charge in a charge storage element in a time cell in the horological device using a discharge process with a predetermined discharge rate, wherein the charge storage  
10        element comprises an internal medium for storing an electrostatic charge and an insulating medium for insulating the internal medium that substantially surrounds the internal medium, and wherein the time cell transitions from a non-time-measuring state to a time-measuring state in the  
15        horological device upon receiving the electrostatic charge; and

          detection means for detecting a current level of electrical potential at the charge storage element using  
20        conductive leads connected to the time cell within an elapsed time period after storing the electrostatic charge.

6.        (Amended)        A method for measuring time with an horological device, the method comprising:

25               discharging a stored electrostatic charge in a charge storage element in a time cell in the horological device using a discharge process with a predetermined discharge rate, wherein the charge storage element comprises an internal medium for storing an electrostatic charge and an insulating medium for insulating the internal medium that substantially

surrounds the internal medium, and wherein the time cell transitions from a non-time-measuring state to a time-measuring state in the horological device upon receiving the electrostatic charge; and

5        detecting a current level of electrical potential at the charge storage element using conductive leads connected to the time cell within an elapsed time period after storing the electrostatic charge.

10       15. (Amended)       A computer program product on a computer readable medium for use in a data processing system for measuring time with an horological device, the computer program product comprising:

15       instructions for receiving a time measurement request for the horological device; and

20       instructions for detecting a current level of electrical potential at a charge storage element in a time cell in the horological device using conductive leads connected to the time cell within an elapsed time period after storing an electrostatic charge in the charge storage element, wherein the charge storage element comprises an internal medium for storing an electrostatic charge and an insulating medium for insulating the internal medium that substantially surrounds the internal medium, and wherein the time cell transitions  
25       from a non-time-measuring state to a time-measuring state in the horological device upon receiving the electrostatic charge, and wherein the stored electrostatic charge discharges from the charge storage element using a discharge process with a predetermined discharge rate.

37. (Amended) A reading device comprising:

coupling means for coupling, to the reading device, an article of manufacture, wherein the article of manufacture

5 | comprises an analog time cell and conductive leads connected  
| to the analog time cell; and

reading means for reading the article of manufacture.